



POLYPLASTICS CO LTD
18-1 KONAN



LAPEROS: S140M
Liquid Crystal Polymer (LCP), pellets

Flammability	Value	Test Method
Flame Rating		UL 94
0.150 mm, NC, BK	V-0	
0.28 mm, NC, BK	V-0	
0.40 mm, NC, BK	V-0	
0.75 mm, NC, BK	V-0	
1.5 mm, NC, BK	V-0	
3.0 mm, NC, BK	V-0	
Flammability Classification		IEC 60695-11-10, -20
0.150 mm, NC, BK	V-0	
0.28 mm, NC, BK	V-0	
0.40 mm, NC, BK	V-0	
0.75 mm, NC, BK	V-0	
1.5 mm, NC, BK	V-0	
3.0 mm, NC, BK	V-0	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.28 mm	PLC 4	
0.40 mm	PLC 4	
0.75 mm	PLC 3	
1.5 mm	PLC 1	
3.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
0.28 mm	PLC 0	
0.40 mm	PLC 0	
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 4	UL 746
Thermal	Value	Test Method
RTI Elec		UL 746
0.150 mm	130 °C	
0.28 mm	130 °C	
0.40 mm	130 °C	
0.75 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	



Thermal	Value	Test Method
RTI Imp		UL 746
0.150 mm	130 °C	
0.28 mm	130 °C	
0.40 mm	130 °C	
0.75 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
RTI Str		UL 746
0.150 mm	130 °C	
0.28 mm	130 °C	
0.40 mm	130 °C	
0.75 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	

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ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94
large scale test data is intended solely for determining the flammability of plastic materials used in the components and parts
of product devices and appliances, where the acceptability of the combination is determined by UL.

